



# UNITED STATES PATENT AND TRADEMARK OFFICE

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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
09/787,218	03/15/2001	Takuya Ishida	108107	6469

25944 7590 06/10/2004

OLIFF & BERRIDGE, PLC  
P.O. BOX 19928  
ALEXANDRIA, VA 22320

EXAMINER

CLEARY, THOMAS J

ART UNIT	PAPER NUMBER
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2111

DATE MAILED: 06/10/2004

16

Please find below and/or attached an Office communication concerning this application or proceeding.

2

## Interview Summary

Application No.

09/787,218

Applicant(s)

ISHIDA ET AL.

Examiner

Thomas J. Cleary

Art Unit

2111

All participants (applicant, applicant's representative, PTO personnel):

(1) Thomas J. Cleary - USPTO.

(3) \_\_\_\_\_

(2) Daniel A. Tanner - 54,734.

(4) \_\_\_\_\_

Date of Interview: 03 & 07 June 2004.

Type: a) ☒ Telephonic b) ☐ Video Conference  
c) ☐ Personal [copy given to: 1) ☐ applicant 2) ☐ applicant's representative]

Exhibit shown or demonstration conducted: d) ☒ Yes e) ☒ No.

If Yes, brief description: Proposed claim amendments submitted via fax on 03 June 2004.

Claim(s) discussed: 1,5 and 9.

Identification of prior art discussed: Chou.

Agreement with respect to the claims f) ☒ was reached. g) ☐ was not reached. h) ☐ N/A.

Substance of Interview including description of the general nature of what was agreed to if an agreement was reached, or any other comments: See Continuation Sheet.

(A fuller description, if necessary, and a copy of the amendments which the examiner agreed would render the claims allowable, if available, must be attached. Also, where no copy of the amendments that would render the claims allowable is available, a summary thereof must be attached.)

THE FORMAL WRITTEN REPLY TO THE LAST OFFICE ACTION MUST INCLUDE THE SUBSTANCE OF THE INTERVIEW. (See MPEP Section 713.04). If a reply to the last Office action has already been filed, APPLICANT IS GIVEN ONE MONTH FROM THIS INTERVIEW DATE, OR THE MAILING DATE OF THIS INTERVIEW SUMMARY FORM, WHICHEVER IS LATER, TO FILE A STATEMENT OF THE SUBSTANCE OF THE INTERVIEW. See Summary of Record of Interview requirements on reverse side or on attached sheet.

MARK H. RINEHART  
SUPERVISORY PATENT EXAMINER  
TECHNOLOGY CENTER 2100

Examiner Note: You must sign this form unless it is an Attachment to a signed Office action.

Examiner's signature, if required

## Summary of Record of Interview Requirements

### Manual of Patent Examining Procedure (MPEP), Section 713.04, Substance of Interview Must be Made of Record

A complete written statement as to the substance of any face-to-face, video conference, or telephone interview with regard to an application must be made of record in the application whether or not an agreement with the examiner was reached at the interview.

### Title 37 Code of Federal Regulations (CFR) § 1.133 Interviews

#### Paragraph (b)

In every instance where reconsideration is requested in view of an interview with an examiner, a complete written statement of the reasons presented at the interview as warranting favorable action must be filed by the applicant. An interview does not remove the necessity for reply to Office action as specified in §§ 1.111, 1.135. (35 U.S.C. 132)

#### 37 CFR §1.2 Business to be transacted in writing.

All business with the Patent and Trademark Office should be transacted in writing. The personal attendance of applicants or their attorneys or agents at the Patent and Trademark Office is unnecessary. The action of the Patent and Trademark Office will be based exclusively on the written record in the Office. No attention will be paid to any alleged oral promise, stipulation, or understanding in relation to which there is disagreement or doubt.

The action of the Patent and Trademark Office cannot be based exclusively on the written record in the Office if that record is itself incomplete through the failure to record the substance of interviews.

It is the responsibility of the applicant or the attorney or agent to make the substance of an interview of record in the application file, unless the examiner indicates he or she will do so. It is the examiner's responsibility to see that such a record is made and to correct material inaccuracies which bear directly on the question of patentability.

Examiners must complete an Interview Summary Form for each interview held where a matter of substance has been discussed during the interview by checking the appropriate boxes and filling in the blanks. Discussions regarding only procedural matters, directed solely to restriction requirements for which interview recordation is otherwise provided for in Section 812.01 of the Manual of Patent Examining Procedure, or pointing out typographical errors or unreadable script in Office actions or the like, are excluded from the interview recordation procedures below. Where the substance of an interview is completely recorded in an Examiners Amendment, no separate Interview Summary Record is required.

The Interview Summary Form shall be given an appropriate Paper No., placed in the right hand portion of the file, and listed on the "Contents" section of the file wrapper. In a personal interview, a duplicate of the Form is given to the applicant (or attorney or agent) at the conclusion of the interview. In the case of a telephone or video-conference interview, the copy is mailed to the applicant's correspondence address either with or prior to the next official communication. If additional correspondence from the examiner is not likely before an allowance or if other circumstances dictate, the Form should be mailed promptly after the interview rather than with the next official communication.

The Form provides for recordation of the following information:

- Application Number (Series Code and Serial Number)
- Name of applicant
- Name of examiner
- Date of interview
- Type of interview (telephonic, video-conference, or personal)
- Name of participant(s) (applicant, attorney or agent, examiner, other PTO personnel, etc.)
- An indication whether or not an exhibit was shown or a demonstration conducted
- An identification of the specific prior art discussed
- An indication whether an agreement was reached and if so, a description of the general nature of the agreement (may be by attachment of a copy of amendments or claims agreed as being allowable). Note: Agreement as to allowability is tentative and does not restrict further action by the examiner to the contrary.
- The signature of the examiner who conducted the interview (if Form is not an attachment to a signed Office action)

It is desirable that the examiner orally remind the applicant of his or her obligation to record the substance of the interview of each case. It should be noted, however, that the Interview Summary Form will not normally be considered a complete and proper recordation of the interview unless it includes, or is supplemented by the applicant or the examiner to include, all of the applicable items required below concerning the substance of the interview.

A complete and proper recordation of the substance of any interview should include at least the following applicable items:

- 1) A brief description of the nature of any exhibit shown or any demonstration conducted,
- 2) an identification of the claims discussed,
- 3) an identification of the specific prior art discussed,
- 4) an identification of the principal proposed amendments of a substantive nature discussed, unless these are already described on the Interview Summary Form completed by the Examiner,
- 5) a brief identification of the general thrust of the principal arguments presented to the examiner,  
(The identification of arguments need not be lengthy or elaborate. A verbatim or highly detailed description of the arguments is not required. The identification of the arguments is sufficient if the general nature or thrust of the principal arguments made to the examiner can be understood in the context of the application file. Of course, the applicant may desire to emphasize and fully describe those arguments which he or she feels were or might be persuasive to the examiner.)
- 6) a general indication of any other pertinent matters discussed, and
- 7) if appropriate, the general results or outcome of the interview unless already described in the Interview Summary Form completed by the examiner.

Examiners are expected to carefully review the applicant's record of the substance of an interview. If the record is not complete and accurate, the examiner will give the applicant an extendable one month time period to correct the record.

### Examiner to Check for Accuracy

If the claims are allowable for other reasons of record, the examiner should send a letter setting forth the examiner's version of the statement attributed to him or her. If the record is complete and accurate, the examiner should place the indication, "Interview Record OK" on the paper recording the substance of the interview along with the date and the examiner's initials.

Continuation of Substance of Interview including description of the general nature of what was agreed to if an agreement was reached, or any other comments: In the initial interview held 03 June 2004, Examiner explained to Applicant that the changes to the claims made in the amendment of 25 February 2004 did not distinguish over the prior art. Specifically, further details regarding the type and functionality of the first and second data were required. Examiner further explained that because no indication was given that Claim 2 was allowable, incorporation of the features of that claim into the independent claims would not distinguish the independent claims over the prior art as applied. Applicant will submit proposed claim amendments to the Examiner to discuss possible claim language prior to filing a response to the Final Office Action of 17 May 2004. In the continuation of the initial interview held 07 June 2004, Examiner indicated to Applicant that the proposed claim amendments would distinguish over the prior art, and if submitted as an amendment after final rejection along with corresponding arguments as to why the new claim limitations distinguish over the prior art, said amendment would be entered into the record and the case would be in condition for allowance.

**OLIFF & BERRIDGE, PLC**

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June 3, 2004

**FACSIMILE TRANSMISSION COVER SHEET**

To: United States Patent and Trademark Office  
Attention: Examiner Thomas J. Cleary  
Group Art Unit: 2111

Fax: 703-746-6721

From: Daniel A. Tanner

Your Ref.: 09/787,218

Our Ref.: 108107

Number of Pages Sent (Including cover sheet): 3

Prepared By: cmf

**Comments:**

In light of this morning's discussion, please consider the attached and call me at your convenience.

Sent by:

This facsimile is intended only for the use of the individual or entity named above and may contain privileged or confidential information. If you are not the intended recipient, or the employee or agent responsible to deliver it to the intended recipient, you are notified that any review, dissemination, distribution or copying of this facsimile is prohibited. If you have received this facsimile in error, please immediately notify us by facsimile or telephone, and return the facsimile to us by mail at the above address.

Application No. 09/787,218

1. (Currently Amended) A data transfer control device for transferring data between a plurality of nodes connected to a bus, the data transfer control device comprising:

- a link circuit which provides services for packet transfer between nodes;
- a write circuit which writes a packet that has been received through the link circuit to a randomly accessible packet storage memory; and
- a packet division circuit which writes control information of the packet to a control information area of the packet storage memory, writes first data of the packet for a first layer to a first data area of the packet storage memory, and writes second data of the packet for a second layer that is a layer above the first layer to a second data area of the packet storage memory,

wherein the first data is command data used by the serial bus protocol 2 of the first layer and the second data is stream data used by an application layer, and the second data is read sequentially as an uninterrupted stream from the second data area and the read second data is transferred to an application layer device.

5. (Currently Amended) A data transfer control device for transferring data between a plurality of nodes connected to a bus, the data transfer control device comprising:

- a circuit which makes transaction identification information within a request packet include indication information which indicates processing to be performed after reception of a response packet from a responding node, when the request packet which is used for starting a transaction is transmitted to the responding node; and
- a circuit which performs the processing indicated by the indication information comprised within the transaction identification information of the response packet, wherein control information and data of the response packet are automatically separated and written into at least two of separate hardware, firmware, stream data and command data areas as specified by the indication information within the transaction identification information of the response packet, when the response packet from the responding node is received.

9. (Currently Amended) A data transfer control device for transferring data between a plurality of nodes connected to a bus, the data transfer control device comprising:

- a link circuit which provides services for packet transfer between nodes;
- randomly accessible packet storage memory which stores a packet;
- a write circuit which writes a packet that has been received from another node through the link circuit, to the packet storage memory; and
- a circuit which reads the packet that has been written to the packet storage

Application No. 09/787,218

memory and transfers the packet to the link circuit;

wherein the packet storage memory is divided into a control information area in which is stored packet control information and a data area in which is stored packet data, and the data area is divided into a first data area for storing first data for a first layer and a second data area for storing second data for a second layer; and

wherein the first data is command data used by the serial bus protocol 2 of the first layer and the second data is stream data used by an application layer, and the second data is read sequentially as an uninterrupted stream from the second data area and the read second data is transferred to an application layer device.